

B1  
cost  
40. (Twice Amended) A gene-targeted rodent homozygous for a human Familial Alzheimer's Disease (FAD) mutation comprising a human mutation of the presenilin-1 (PS-1 gene), and a human transgene for Swedish APP695, wherein the A $\beta$ 42 protein level is elevated relative to the A $\beta$ 42 protein level in a wild-type rodent.

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B2  
44. (Twice Amended) The rodent of claim 39 wherein said rodent is a mouse.

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B3  
46. (Twice Amended) The rodent of claim 40 wherein said rodent is a mouse.

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82. (Amended) A generational offspring of the rodent of claim 77 wherein said offspring comprises in its genome:

B4  
a DNA sequence encoding a PS-1 protein comprising the human P264L mutation; and  
a DNA sequence encoding a human amyloid precursor protein having the Swedish APP695 mutation;

wherein the A $\beta$ 42 protein level is elevated relative to the A $\beta$ 42 protein level in a wild-type rodent.

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88. (Amended) A generational offspring of the rodent of claim 83 wherein said offspring comprises in its genome:

B5  
a DNA sequence encoding a PS-1 protein comprising the human P264L mutation; and  
a DNA sequence encoding a human amyloid precursor protein having the Swedish APP695 mutation;

wherein the A $\beta$ 42 protein level is elevated relative to the A $\beta$ 42 protein level in a wild-type rodent.

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